| <br> | Claims |  |
|------|--------|--|
|      |        |  |

| Application No. | Applicant(s) | - |
|-----------------|--------------|---|
| 10/045,137      | WANG ET AL.  |   |
| Examiner        | Art Unit     |   |
| Shouxiang Hu    | 2811         |   |

| √  | Rejected |  |
|----|----------|--|
| II | Allowed  |  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N     | Non-Elected  |
|-------|--------------|
| <br>- | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|               |  | L_             | Ļ  |              |           |               | J           |              |  |                 |
|---------------|--|----------------|--|--------------|-----------|---------------|-------------|--------------|--|-----------------|
|               |  | ,              |  |              |           |               |             |              |  |                 |
| Cla           | ıim                                    |                |  |              |           | Date          | е           |              |  |                 |
|               |  |                |  |              |           |               |             |              |  |                 |
| न             | Original                               |                |  |              |           |               |             |              |  |                 |
| Final         | įĝ                                     |                |  |              |           |               |             |              |  | ll              |
| ] -           | ō                                      |                |  |              |           |               |             |              |  |                 |
|               |  |                | _  | <u> </u>     | -         |               |             | _            | ⊢  | Н               |
|               | 1                                      |                |  |              |           |               |             |              | <u> </u>   | Ш               |
|               | 1<br>2<br>3<br>4                       | 1              |  | L            |           |               | L           |              |  | Ш               |
|               | 3                                      | V              | l  |              |           |               |             |              |  | Ш               |
|               | 4                                      |                |  |              |           |               |             |              |  |                 |
|               | 5                                      | V              | _  | l .          |           |               |             |              |  | П               |
|               | 6                                      | V              |  | $\vdash$     |           |               | _           |              |  | П               |
|               | 7                                      |                |  | $\vdash$     | -         | -             | Η-          | $\vdash$     | H  | Н               |
| <u> </u>      |  | V              | -  | -            | H         |               | ┢           | ┢            | ⊢  | Н               |
| -             | 8                                      | ۳              | $\vdash$   | ⊢            |           | -             | -           | $\vdash$     | $\vdash$   | Н               |
|               |  | -              | <u> </u>   |              | -         |               | -           | -            | -  | Н               |
| Ь             | 10                                     | _              |  |              |           |               | _           | _            | _  | Ш               |
|               | 11                                     | $\sqcup$       |  | <u> </u>     |           |               | L_          |              |  | Ш               |
|               | 12                                     |                | L  | L            |           | L             | L_          | L            | L_   | Ш               |
|               | 13                                     |                |  |              |           |               | L           |              |  | <u></u> ∐]      |
|               | 14                                     |                |  |              |           |               | Г           | _            |  | П               |
| $\vdash$      | 12<br>13<br>14<br>15<br>16<br>17<br>18 |                |  |              |           |               | Г           |              |  | П               |
| <u> </u>      | 16                                     | _              |  |              |           | $\vdash$      | $\vdash$    | Н            |  | Н               |
| $\vdash$      | 17                                     | <del>  -</del> |  |              | -         | -             | <del></del> |              |  | $\vdash$        |
| ├             | 40                                     |                | ⊢  | $\vdash$     | H         |               | -           | <del> </del> | -  | $\vdash$        |
| <u> </u>      | 18                                     | $\vdash$       | <u> </u>   | <u> </u>     |           |               | <u> </u>    | <u> </u>     |  | $\vdash$        |
|               | 19                                     | L.             | <u> </u>   | L_           | Щ         |               | <u> </u>    | <u> </u>     |  | $\sqcup$        |
|               | 20                                     |                | L  |              |           |               | L.          |              |  | Ш               |
|               | 21                                     | V              |  |              |           |               | L_          |              |  |                 |
|               | 22                                     | V              |  |              |           |               |             |              |  |                 |
|               | 19<br>20<br>21<br>22<br>23             | Г              | $\vdash$   |              |           |               |             |              |  | İП              |
| Ī             | 24<br>25                               |                |  |              |           |               |             | _            | _  | H               |
| H             | 25                                     |                | $\vdash$   | ┢╌           | ┝         |               | _           | $\vdash$     | H  | H               |
| $\vdash$      | 26                                     | -              | $\vdash$   | -            |           | -             | <u> </u>    | $\vdash$     | $\vdash$   | H               |
| <b> </b>      | 20                                     | <u>''</u>      |  |              | <u> </u>  | _             |             | ┞─           | <del> </del>                                     | Н               |
| ļ             | 27<br>28                               | 4              | <u> </u>   | <u> </u>     |           |               | <u> </u>    | L            | ⊢  | Н               |
|               | 28                                     | Ш              | <u> </u>   | L            | L         |               | ļ           | <u> </u>     | L  | Ш               |
| <u> </u>      | 29<br>30                               | Ш              |  | <u> </u>     | _         |               | <u>_</u>    |              | _  | Ш               |
| Ĺ             | 30                                     | $\coprod_{I}$  | L_   |              |           |               |             | <u>L</u>     |  | Ш               |
|               | 31                                     | V              |  |              |           |               |             | L            | L  |                 |
|               | 32                                     | V              |  |              |           |               |             |              |  | П               |
|               | 33                                     | N              |  |              |           |               |             |              | _  | П               |
|               | 34                                     | 4              | _  |              |           |               |             | $\vdash$     | $\vdash$   | М               |
| $\vdash$      | 32<br>33<br>34<br>35                   | 1              | <del>                                     </del> | -            | $\vdash$  | Н             |             | $\vdash$     | <u> </u>   | H               |
| $\vdash$      | 36                                     | ╫┈             | -  | <del> </del> | -         | -             | $\vdash$    | $\vdash$     | <del>                                     </del> | Н               |
| $\vdash$      | 37                                     | H-             | -  | -            |           | $\vdash$      |             | $\vdash$     | -  | Н               |
| <b> </b>      | 37                                     | Н.             | $\vdash$   | $\vdash$     | <u> </u>  | L.            |             | <u> </u>     | —  | $\vdash \vdash$ |
| <u> </u>      | 38                                     | Щ.             |  | _            |           | L.            |             |              | <u> </u>   | Ш               |
| <u> </u>      | 39                                     | L              |  | $oxed{oxed}$ |           |               |             | L.           | <u>_</u>   | Ш               |
|               | 40                                     | d.             | L  | $L^{-}$      |           |               |             |              | L  |                 |
|               | 41                                     | ₩              |  |              |           |               |             |              |  | П               |
|               | 42                                     | N              | Г  |              | П         |               |             |              |  | П               |
|               | 43                                     | Ė              |  | Н            |           |               |             | Т            |  | $\Box$          |
| <b> </b>      | 44                                     | $\vdash$       | -  |              |           |               | $\vdash$    | Н            | $\vdash$   | Н               |
| <del>  </del> |  | $\vdash$       | -  | <b> </b>     | <u> —</u> | <del>  </del> | -           | H            | <u> </u>   | Н               |
| <b>}</b>      | 45                                     | -              | <u> </u>   | <u> </u>     |           | Ь.            | $\vdash$    | $\vdash$     | <u> </u>   | Н               |
| $\sqcup$      | 46                                     | $\vdash$       |  | _            | Ш         |               | L           |              |  | Ш               |
| igsqcup       | 47                                     | $oxed{oxed}$   |  | L            | L_        |               |             | L            | <u> </u>   | Ш               |
|               | 48                                     |                | L  | LĪ           |           |               |             |              | L  |                 |
|               | 49                                     |                |  |              |           |               |             |              |  | П               |
|               | 50                                     | $\vdash$       | $\vdash$   |              |           | Т             | Т           | $\vdash$     |  | Н               |

| Cla      | im       |          |          |          | [  | Date     | 9            |          |          |          |
|----------|----------|----------|----------|----------|--|----------|--------------|----------|----------|----------|
|          |          |          |          |          |  |          |              |          |          | Γ        |
| क्र      | Original |          |          |          |  |          |              |          |          |          |
| Final    | rig      |          |          |          |  |          |              |          |          |          |
| -        | Ō        |          |          |          |  |          |              |          |          |          |
|          | 51       | $\vdash$ | $\vdash$ |          |  | _        | ┢            | -        | -        | ┢        |
| <b></b>  | 52       | $\vdash$ | $\vdash$ |          | $\vdash$   | -        | -            | -        | -        | $\vdash$ |
| <b>—</b> | 53       |          | ├        | _        | -  | ┢        |              | _        | ┝        | ┢        |
|          | 54       |          | ⊢        |          |  |          | $\vdash$     | ⊢        | ├-       |          |
|          | 54       | -        | $\vdash$ | _        | -  |          | ┝            | ├        |          | ├        |
|          | 55       | <u> </u> |          |          | <u> </u>   |          | _            | _        | <u> </u> | _        |
| ļ        | 56       |          | L        |          | <u> </u>   | _        | <u> </u>     | <u> </u> | <u> </u> | <u> </u> |
|          | 57       |          | <u> </u> |          | _  | <u> </u> | <u> </u>     | <u> </u> |          | <u> </u> |
|          | 58<br>59 |          | L_       | _        | _  | _        | _            | <u> </u> | _        | L.       |
|          | 59       | <u></u>  |          |          | _  | _        |              | <u> </u> |          |          |
|          | 60       |          |          |          | _  |          |              | L        |          |          |
|          | 61       |          |          | L.       |  | <u> </u> | L            |          |          |          |
|          | 62       |          |          |          |  | <u> </u> | <u> </u>     |          |          |          |
|          | 63       |          |          | L        | L  |          | L            |          |          | L        |
|          | 64       |          |          |          | L  | L        | L            | L        |          |          |
|          | 65       |          |          |          |  |          |              |          |          |          |
|          | 66       |          |          |          |  |          |              |          |          |          |
|          | 67       |          |          |          |  |          |              |          |          |          |
|          | 68       |          |          |          | <del>                                     </del> | _        |              |          |          |          |
|          | 69       |          |          |          | $\vdash$   | -        |              | -        |          |          |
|          | 70       |          |          |          | $\vdash$   | _        |              |          |          |          |
|          | 71       |          |          |          | $\vdash$   |          |              |          | $\vdash$ | H        |
| <u> </u> | 72       |          | -        | -        | $\vdash$   |          |              |          | -        | ┢        |
| -        | 72<br>73 |          |          |          |  |          |              |          | -        | -        |
| $\vdash$ | 74       |          | <u> </u> | ļ        |  | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | -        |
| -        | 74<br>75 |          |          | <u> </u> | ├—   | $\vdash$ | _            |          |          | ┝        |
| -        | 70       | _        | _        | -        | _  |          |              |          | -        | -        |
| $\vdash$ | 76       |          | _        |          | -  | -        | _            | $\vdash$ | $\vdash$ | ⊢        |
| -        | 77<br>78 | _        | -        | <u> </u> | _  | _        |              |          |          | ┡        |
|          | 78       |          | _        | -        | <u> </u>   |          | ·            |          |          | _        |
| <u> </u> | 79       |          | _        |          |  | L        | $\vdash$     |          | -        | <u> </u> |
|          | 80       |          |          |          | _  |          | Ц.           | L        | _        |          |
|          | 81       | _        |          |          |  | $\vdash$ |              |          | Щ        | <u> </u> |
| L        | 82       |          |          |          |  |          |              |          | L_       |          |
| <u> </u> | 83       |          |          |          | L  |          |              |          | _        |          |
|          | 84_      |          |          |          |  |          |              |          |          |          |
|          | 85       | L        |          |          |  |          |              |          |          |          |
| L        | 86       |          |          |          |  |          |              |          |          |          |
|          | 87       |          |          |          |  |          |              |          |          |          |
|          | 88       |          |          |          |  |          |              |          |          |          |
|          | 89       |          |          |          |  |          |              |          |          |          |
|          | 90       |          |          |          |  |          |              |          |          |          |
|          | 91       |          |          |          |  |          |              |          | •        |          |
|          | 92       |          |          |          |  |          |              |          |          |          |
|          | 93       | П        |          | Г        | Г  |          |              |          |          |          |
|          | 94       |          |          |          |  |          |              |          |          |          |
| -        | 95       |          | т        | $\vdash$ | $\vdash$   | Н        | Н            | Н        | Н        |          |
| $\vdash$ | 96       | $\vdash$ |          |          | -  |          |              | $\vdash$ | $\vdash$ | $\vdash$ |
| $\vdash$ | 97       | $\vdash$ | $\vdash$ | $\vdash$ | Н  |          | -            | $\vdash$ |          | Η-       |
| $\vdash$ | 98       | -        | -        | -        |  |          | -            | -        |          | -        |
| -        | 99       | —        | -        | $\vdash$ |  | -        | <u> </u>     |          | -        | $\vdash$ |
| $\vdash$ | 100      | $\vdash$ | -        | $\vdash$ | <del> </del>                                     | $\vdash$ | <del> </del> | $\vdash$ | H        |          |
| 1        | 100      |          |          | ı        |  |          |              |          |          |          |

|       |            | Ь—       |            |          |          |              |                |                | i        |          |
|-------|------------|----------|------------|----------|----------|--------------|----------------|----------------|----------|----------|
| Cla   | aim        | Date     |            |          |          |              |                |                |          |          |
| Final | Original   |          |            |          |          |              |                |                |          |          |
|       | 101        |          |            |          |          |              |                | -              |          | П        |
|       | 102        |          |            |          |          |              |                |                |          |          |
|       | 103        |          |            |          |          |              |                |                |          | Ш        |
|       | 104        | <u> </u> |            |          |          |              | $oxed{oxed}$   | <u> </u>       |          |          |
|       | 105        |          | <u> </u>   |          | <u> </u> |              |                |                |          | Щ        |
|       | 106        | _        |            |          | _        | $\vdash$     | <u> </u>       | <u> </u>       |          | $\vdash$ |
|       | 107<br>108 |          |            |          | ⊢        | ├            |                | ├—             |          | Н        |
|       | 109        | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$       | $\vdash$       |          | -        |
|       | 110        |          | $\vdash$   |          | _        | $\vdash$     | ┢              |                |          | -        |
|       | 111        |          |            |          |          |              | -              |                |          |          |
|       | 112        |          |            |          |          | Г            | Г              |                |          | П        |
|       | 112<br>113 |          |            | ĺ        |          |              |                |                |          |          |
|       | 114        |          |            |          |          | $\Box$       |                |                |          |          |
|       | 115        | _        |            |          |          |              | L.             |                |          |          |
|       | 116        | _        | L.         |          |          |              |                |                |          |          |
|       | 117        | <u> </u> | <b> </b> - |          |          |              | <u> </u>       |                |          | Ц        |
|       | 118        | <u> </u> | <u> </u>   |          |          | Ŀ            | <u> </u>       | <u> </u>       | $\vdash$ | Н        |
|       | 119        | $\vdash$ |            | _        | <u> </u> |              | -              | H              | _        | $\dashv$ |
|       | 120<br>121 | $\vdash$ | H          |          |          | H            | ⊢              | -              |          | Н        |
|       | 122        |          | $\vdash$   |          |          |              |                | -              | -        | $\dashv$ |
|       | 123        |          |            | _        |          | 7            | <del> </del> - | <del>  `</del> | _        | П        |
|       | 123<br>124 |          |            |          |          |              |                |                | •        |          |
|       | 125        |          |            |          |          |              |                |                |          | $\Box$   |
|       | 126<br>127 |          |            |          |          |              |                |                |          |          |
|       | 127        |          |            |          |          |              |                |                |          |          |
|       | 128        |          |            |          |          | Ĺ            |                |                |          | Щ        |
|       | 129        |          |            |          |          |              | _              |                |          |          |
|       | 130        | <u> </u> | <u> </u>   | _        | _        | <u> </u>     |                |                |          |          |
|       | 131<br>132 |          |            |          |          |              |                | _              |          | $\dashv$ |
|       | 133        |          |            |          |          | -            |                | <del></del>    |          |          |
|       | 134        | $\vdash$ | $\vdash$   | -        | $\vdash$ | <del>-</del> | -              | -              |          | $\dashv$ |
|       | 135        | -        |            |          |          |              |                |                |          | $\dashv$ |
|       | 136        |          |            |          |          |              |                |                |          | $\neg$   |
|       | 137        |          |            |          |          |              |                |                |          |          |
|       | 138        |          |            |          |          |              |                |                |          |          |
|       | 139        |          |            |          |          |              |                |                |          | Щ        |
|       | 140        |          | _          |          |          | Ŀ            |                |                |          | Ц        |
|       | 141        |          |            |          | _        |              |                |                |          | Ш        |
|       | 142        |          |            |          |          | <u> </u>     | <u> </u>       |                |          | $\dashv$ |
|       | 143<br>144 |          |            | -        |          | $\vdash$     | $\vdash$       | $\vdash$       |          | H        |
|       | 145        | H        |            |          |          | -            | $\vdash$       |                |          | Н        |
|       | 146        | $\vdash$ | $\vdash$   |          | _        | H            | Н              | H              |          | $\dashv$ |
|       | 147        | H        | H          |          |          | H            |                |                | -        |          |
|       | 148        | Н        |            |          |          | Н            | П              | $\vdash$       | П        | $\dashv$ |
|       | 149        |          |            |          |          | П            | П              | П              | П        | $\Box$   |
|       | 150        |          |            |          |          | •            |                |                |          |          |
|       |            |          |            |          |          |              | _              |                |          |          |